Metadata Report

Project Name *Survey of a reverse fault at Ala-Bash, Kyrgyzstan, 2022*

Summary *This dataset shows the geomorphology of a reverse fault near Ala-Bash in a small basin located at the SW of Lake Issyk-Kul in Kyrgyzstan. These data were collected using a Phantom 4 Pro v2.0 with Teokit dGPS system.*

Personnel
- PI(s) *Richard Walker*
- Field staff *Ian Pierce, Alexandra Travers, Neill Marshall, Rich Koehler, Gordon Seitz*
- Additional team members

Site Information
- Site description: The site is near Ala-Bash in a small basin located at the SW of Lake Issyk-Kul in Kyrgyzstan.
- Site objective: The objective was to show the fault scarp and displacement of a reverse fault.
- Site location (GPS cords and/or map): 42.13 N, 76.48E
- Site conditions
- Date/time spent at each site

Survey Results
- Equipment used Emlid Reach RS2 as base station. Phantom Pro v2.0 UAS with Teokit dGPS
- GPS solutions : 1 base station
- Errors: 0.2 cm accuracy in PPP of base station, 5 cm accuracy of photo locations
- Alignments
- Collection methods

Products

- Date of dataset collection: 14-17th July 2022
- Coordinate system of datasets: WGS 84 UTM 43N
- Spatial resolution: 4.74 cm/pix ortho, 9.5 cm/pix DEM
- Horizontal Accuracy: 0.2 m
- Vertical Accuracy: 0.2 m
- Data formats: TIF, LAZ
- Data processing methods: TeoBox PPK processing of UAS locations, Agisoft Metashape processing of imagery & DEMs.

Misc Notes